

GSA Renewable Power Procurements

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Overview

- GSA: Who are we & goals
- Experiences
- Renewable Power Purchases
- New York Case Study
- Conclusion

GSA: Who Are We

- GSA as an agency manages Federal real property/leases and purchases various products and services needed by the Federal Government
- GSA's Energy Center of Expertise in conjunction with GSA Regional associates provides expertise to GSA and other agencies in the various energy related areas such as energy efficiency, energy tracking, energy procurement, and utility areawide contracts

Deregulated Electric Market Activities

- GSA's goal is to be active in procuring deregulated retail power in all deregulated states
- GSA has shopped for retail power in the following areas: CT, MA, RI, NH, ME, NY, NJ, PA, DE, MD, DC, OH, IL, TX, & CA
- GSA has 16 active power contracts in 9 states and DC
- 11 different contractors
- 793 MW of peak load under contract
- Approx. \$194 million/year under contract

GSA Power Contracts

<u>LOCATION</u>	<u>CONTRACTOR</u>	<u>TERM</u> <u>MOS.</u>	<u>TOTAL</u> <u>ANNUAL KWH</u>	<u>DEMAND</u> <u>(MW)</u>	<u>TOTAL</u> <u>VALUE/YR</u>	<u>AVG. \$/KWH</u>
DC/MD	Pepco Energy Svcs	36	2,113,000,000	425	\$87,900,000	\$0.0416
New York City	AES New Energy	36	401,768,000	101	\$43,391,000	\$0.1080
Upstate NY	Select Energy	36	50,000,000	10	\$3,000,000	\$0.0602
CA	Strategic Energy	15	102,000,000	20	\$8,906,000	\$0.0873
Baltimore	Pepco Energy Svcs	32	222,500,000	38	\$8,822,500	\$0.0397
Texas	TXCommercialEnergy	36	142,700,000	35	\$6,992,400	\$0.0490
Texas	Tractabel Energy	36	77,000,000	15	\$4,141,000	\$0.0538
Texas	GEXA Energy	36	43,000,000	8	\$2,494,000	\$0.0580
MA/ME	TransCanada	24	237,200,000	55	\$10,231,094	\$0.0431
IL	Exelon	44	242,714,000	50	\$9,709,000	\$0.0400
PA	GreenMtn/Strategic	8 to 36	34,000,000	9	\$1,721,000	\$0.0506
NJ	Pepco Energy Svcs	30	18,000,000	6	\$1,186,500	\$0.0659
NJ	Pepco Energy Svcs	16-17	45,787,700	10	\$2,546,500	\$0.0556
NJ	First Energy	30	8,500,000	2	\$507,300	\$0.0597
Michigan	FirstEnergy	20	27,000,000	4	\$1,267,600	\$0.0469
Michigan	Strategic Energy	32	17,282,000	5	\$913,450	\$0.0529
			3,782,451,700	793	\$193,729,344	\$0.0512

GSA Renewable Purchase Approaches

- Direct purchase of all or some of an account's requirements from renewable power
- Green-e product certification is generally required
- Type of renewable power is often specified
- “Delivered” products have been purchased in all cases except for a few EPA facilities
- In many cases, the renewable power has been added to contract via modification

Active GSA Renewable Purchases

- GSA is purchasing renewable power for its own buildings in the following markets:
- NY – 7.2. million kWh/yr (wind)
- NJ – 1.35 million kWh/yr
- PA – 2.7 million kWh/yr (10% wind)
- DC – 45.6 million kWh/yr (25% wind)
- TX – 5.5 million kWh/yr
- *In NY and DC EPA is providing the majority of the funding for these purchases

Planned GSA Renewable Purchases

- GSA is planning to purchase or continue purchasing renewable power for its own buildings in the following markets:
- Massachusetts, New York, New Jersey, Pennsylvania, DC metro area, Texas, California and other states
- In almost every market, GSA plans to increase its level of renewable purchases

New York Case Study

October 2004

- On 10/23/03 GSA awarded 3 and 2 year contracts to Constellation New Energy, Liberty Power and Con Edison Solutions
- 270 million kWh; 25.5% Green = 68 million kWh.
- GSA, EPA, Coast Guard, UN, SSA, ARC, Smithsonian, and UN SG's private residence are buying green power from Constellation New Energy and Con Edison Solutions.

New York Case Study

Green Power is in compliance with Green-e and the NYSPSC.

Semi Annual Reporting Requirements

Greenpower premium ranged from an additional 3 mil to 1.38 cents per kWh

Windpower premium in NYC decreased since FY 2001!

Purchases for Other Agencies

- GSA is buying renewable power for other agencies in almost every market it is active in
- The following agencies have bought/are buying renewable power behind GSA power contracts:
- EPA, Dept. of Energy, Park Service, Air Force, World Bank, United Nations, Dept. of Labor, USDA, Dept. of Transportation, Dept. of Interior
- GSA is buying 10.6 million kWhs/mo. for other agencies behind its DC/MD power contract
- High profile renewable buys: Statue of Liberty, Liberty Bell, United Nations, EPA/DOE HQ., Ellis Island

Tags vs. Delivered Products

- GSA has generally purchased delivered renewable power
- We realize that there is little actual difference between a tag product and a delivered product in most markets
- We plan to purchase both tag products and delivered products moving forward
- Tag products probably best/only way to go in fully regulated/unrestructured markets

Conclusion

- GSA sees renewable power as a vital component in our nation's energy fuel mix
- GSA has supported that view with its own purchases and by purchasing for other agencies (just over 5% or 200 million kWhs/yr in restructured markets)
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